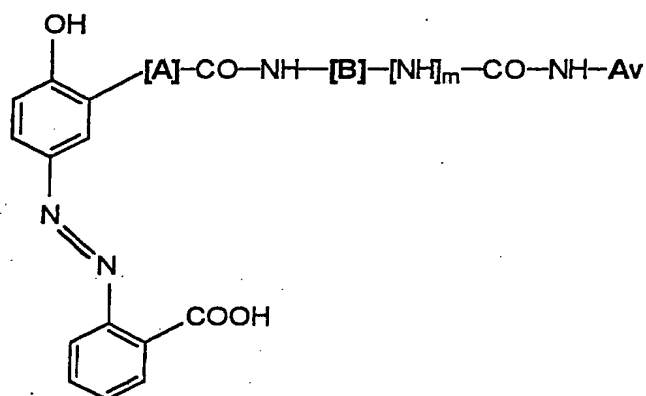


## ABSTRACT

A covalent conjugate of a 4'-hydroxyazobenzene-2-carboxylic acid derivative  
 5 (HABA) and an avidin-type molecule, of the formula:



wherein A is  $(\text{CH}_2)_n$  or  $-\text{CH}=\text{CH}-$ , wherein n is an integer from 0-10; B is  $(\text{CH}_2)_n$   
 wherein n is an integer from 2 to 10; m is zero or 1; and Av is the residue of an avidin-type  
 10 molecule selected from the group comprising native egg-white avidin, recombinant avidin,  
 deglycosylated avidins, bacterial streptavidin, recombinant streptavidin, truncated  
 streptavidin and other derivatives of said avidin-type molecules. These HABAYlated avidins  
 are red colored in the quinone configuration and can be used in many applications in the  
 avidin-biotin technology.